LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083904.D
Acq On : 18 Dec 2015 8:32
Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.070	258	261	266	rBV	143742	214014	4.28%	0.279%
2	5.504	297	299	302	rBV	1203333	1193743	23.87%	1.557%
3	6.533	387	389	391	rBV	1175068	1193686	23.87%	1.557%
4	6.659	397	400	402	rVB	1503325	1390646	27.81%	1.813%
5	6.716	402	405	408	rBV2	114215	171571	3.43%	0.224%
6	6.887	418	420	424	rVB	558913	818781	16.38%	1.068%
7	7.036	431	433	437	rVB	1001789	1268879	25.38%	1.655%
8	7.150	437	443	446	rBV2	120653	299430	5.99%	0.390%
9	7.447	464	469	471	rBV2	901093	1116830	22.34%	1.456%
10	7.699	485	491	492	rBV5	191149	438162	8.76%	0.571%
11	7.744	492	495	496	rBV2	192505	274358	5.49%	0.358%
12	7.813	500	501	503	rVB2	225647	224878	4.50%	0.293%
13	7.939	506	512	514	rBV5	131394	417365	8.35%	0.544%
14	7.996	514	517	519	rVB4	150618	248513	4.97%	0.324%
15	8.042	519	521	523	rBV2	144500	225847	4.52%	0.295%
16	8.110	525	527	529	rBV2	120142	191170	3.82%	0.249%
17	8.167	529	532	536	rBV2	1065230	1415263	28.31%	1.845%
18	8.236	536	538	542	rVB2	341652	465337	9.31%	0.607%
19	8.350	544	548	549	rBV3	150008	292849	5.86%	0.382%
20	8.384	549	551	552	rBV	291918	259730	5.19%	0.339%
21	8.464	554	558	560	rBV4	335246	613478	12.27%	0.800%
22	8.556	564	566	568	rBV2	137254	221368	4.43%	0.289%
23	8.602	568	570	572	rBV2	661524	787825	15.76%	1.027%
24	8.682	575	577	578	rBV	204935	208585	4.17%	0.272%
25	8.716	578	580	583	rBV3	219230	376588	7.53%	0.491%
26	8.796	585	587	591	rVV5	117523	362996	7.26%	0.473%
27	8.865	591	593	596	rVB3	366734	501795	10.04%	0.654%
28	8.922	596	598	599	rBV	182813	213968	4.28%	0.279%
29	8.979	601	603	605	rVV3	239981	320486	6.41%	0.418%
30	9.059	608	610	611	rBV2	129072	165466	3.31%	0.216%
31	9.162	617	619	621	rVB2	193003	240706	4.81%	0.314%
32	9.196	621	622	624	rBV	504071	595792	11.92%	0.777%
33	9.242	624	626	629	rVB	1175922	1508808	30.18%	1.967%
34	9.333	631	634	636	rBV3	349329	582159	11.64%	0.759%

LSC Area Percent Report

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Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.379	636	638	642	rVV4	175891	486743	9.73%	0.635%
36	9.447	642	644	647	rVB2	179596	280821	5.62%	0.366%
37	9.516	647	650	652	rBV2	327425	648400	12.97%	0.846%
38	9.585	655	656	659	rVV	659811	703302	14.07%	0.917%
39	9.653	659	662	664	rVV2	676201	1194817	23.90%	1.558%
40	9.699	664	666	669	rVV3	357472	618585	12.37%	0.807%
41	9.790	672	674	677	rBV	730234	801638	16.03%	1.045%
42	9.836	677	678	680	rVB	329402	356117	7.12%	0.464%
43	9.928	683	686	687	rBV	1040306	1287648	25.75%	1.679%
44	9.962	687	689	691	rVV	919963	912995	18.26%	1.191%
45	10.042	694	696	698	rVB	254176	339146	6.78%	0.442%
46	10.076	698	699	701	rBV2	175890	251031	5.02%	0.327%
47	10.133	701	704	706	rBV	1189918	1163041	23.26%	1.517%
48	10.168	706	707	712	rVB3	374571	718572	14.37%	0.937%
49	10.248	712	714	715	rBV	574094	612925	12.26%	0.799%
50	10.339	720	722	725	rVB	452175	654073	13.08%	0.853%
51	10.419	727	729	732	rVB4	185249	250205	5.00%	0.326%
52	10.476	732	734	737	rBV3	662045	962971	19.26%	1.256%
53	10.590	742	744	746	rVV	383130	523639	10.47%	0.683%
54	10.636	746	748	750	rVB3	375782	541418	10.83%	0.706%
55	10.716	753	755	757	rVB	855064	936831	18.74%	1.222%
56	10.853	764	767	769	rVB2	639012	946728	18.93%	1.235%
57	10.910	770	772	774	rBV	166139	277042	5.54%	0.361%
58	11.025	780	782	783	rBV2	282974	323894	6.48%	0.422%
59	11.173	791	795	798	rBV5	263891	710956	14.22%	0.927%
60	11.265	801	803	804	rVV	216066	226912	4.54%	0.296%
61	11.310	805	807	811	rVB	760224	933375	18.67%	1.217%
62	11.448	814	819	821	rBV2	2572846	3747133	74.94%	4.886%
63	11.493	821	823	825	rBV	1283270	1483696	29.67%	1.935%
64	11.745	843	845	850	rVB4	205646	387884	7.76%	0.506%
65	11.916	858	860	861	rVV	715811	736423	14.73%	0.960%
66	11.951	861	863	865	rVV	440899	626399	12.53%	0.817%
67	11.996	865	867	868	rVV	408162	494982	9.90%	0.645%
68	12.031	868	870	874	rVB2	1189682	1739533	34.79%	2.268%
69	12.213	884	886	887	rBV	327926	426003	8.52%	0.556%
70	12.396	900	902	905	rVB3	179923	388423	7.77%	0.507%
71	12.465	905	908	910	rBV	448585	638808	12.78%	0.833%

LSC Area Percent Report

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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.499	910	911	914	rVV2	259889	436278	8.73%	0.569%
73	12.568	914	917	919	rVB2	147091	256729	5.13%	0.335%
74	12.648	920	924	927	rVV	3203253	4999975	100.00%	6.520%
75	12.774	933	935	938	rVV	190660	327293	6.55%	0.427%
76	12.876	940	944	946	rVV	2968967	4895299	97.91%	6.383%
77	12.991	950	954	957	rBV2	830516	1335245	26.71%	1.741%
78	13.071	959	961	965	rVB4	275242	548729	10.97%	0.716%
79	13.185	967	971	973	rVB	705442	915676	18.31%	1.194%
80	13.254	974	977	978	rBV	658974	656436	13.13%	0.856%
81	13.288	978	980	984	rVB	431231	508103	10.16%	0.663%
82	13.379	986	988	989	rBV	260486	216360	4.33%	0.282%
83	13.414	989	991	992	rVB	261147	222814	4.46%	0.291%
84	13.802	1023	1025	1026	rBV	224462	271388	5.43%	0.354%
85	13.825	1026	1027	1028	rVV	322866	261193	5.22%	0.341%
86	13.859	1028	1030	1031	rVB	154445	224389	4.49%	0.293%
87	14.054	1043	1047	1049	rBV2	1799341	3379415	67.59%	4.407%
88	14.088	1049	1050	1053	rVB	1682241	1337177	26.74%	1.744%
89	14.156	1054	1056	1058	rVB2	139328	167293	3.35%	0.218%
90	14.202	1058	1060	1062	rBV2	118293	195543	3.91%	0.255%
91	14.271	1064	1066	1068	rVV	184168	207118	4.14%	0.270%
92	14.442	1078	1081	1082	rBV	237752	335201	6.70%	0.437%
93	15.094	1134	1138	1145	rVB	1088130	2748363	54.97%	3.584%
94	15.197	1145	1147	1148	rVB	120976	162044	3.24%	0.211%
95	15.391	1161	1164	1166	rVB	634604	998114	19.96%	1.302%
96	15.448	1166	1169	1172	rVB	789224	1276455	25.53%	1.664%
97	15.505	1172	1174	1175	rBV	346148	421240	8.42%	0.549%
98	15.539	1175	1177	1180	rVB	340277	428246	8.56%	0.558%
99	16.957	1297	1301	1304	rBV	474891	1003005	20.06%	1.308%
100	17.391	1335	1339	1343	rBV	362346	798212	15.96%	1.041%

Sum of corrected areas: 76687514

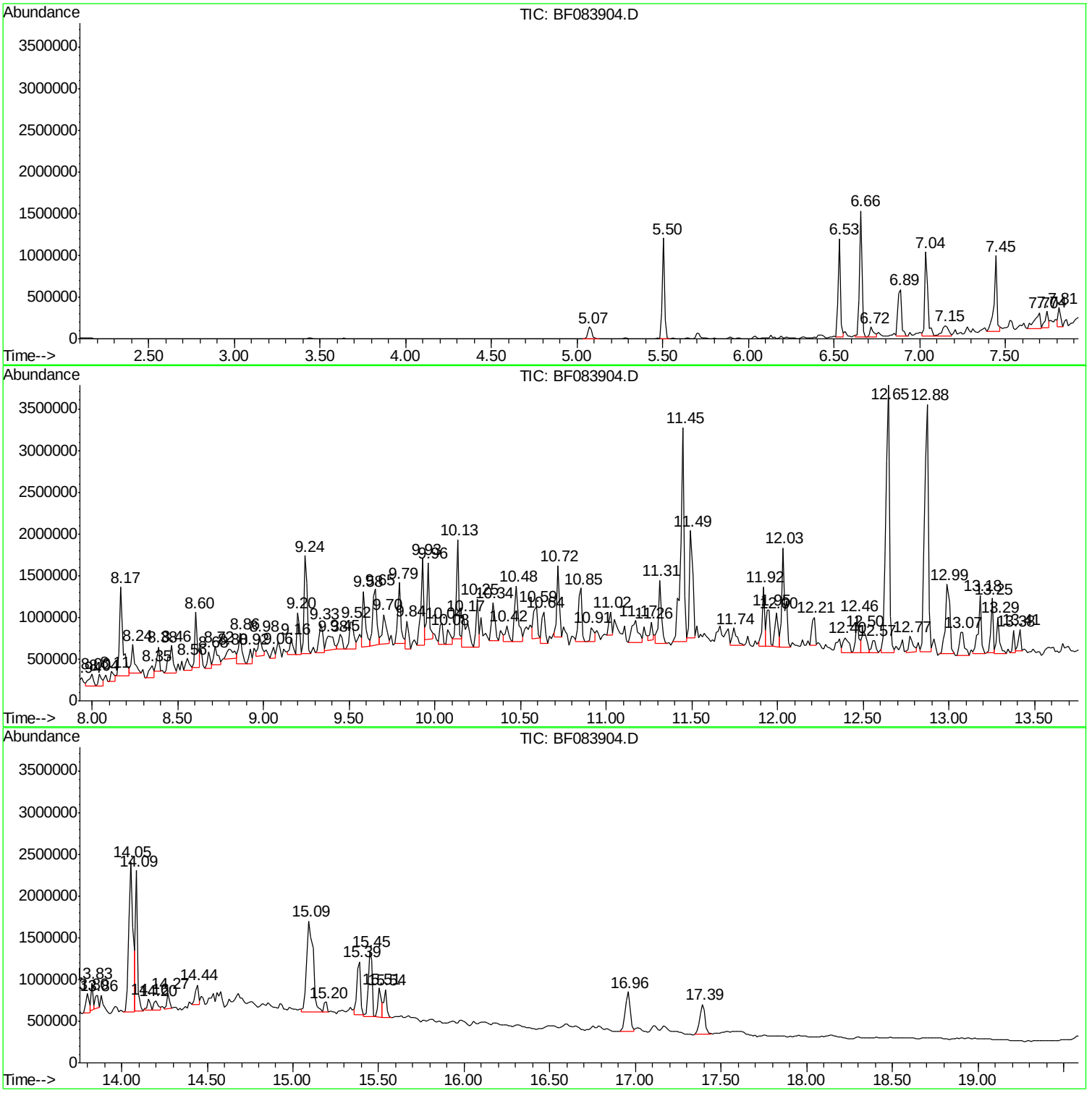
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083904.D
Acq On : 18 Dec 2015 8:32
Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083904.D
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

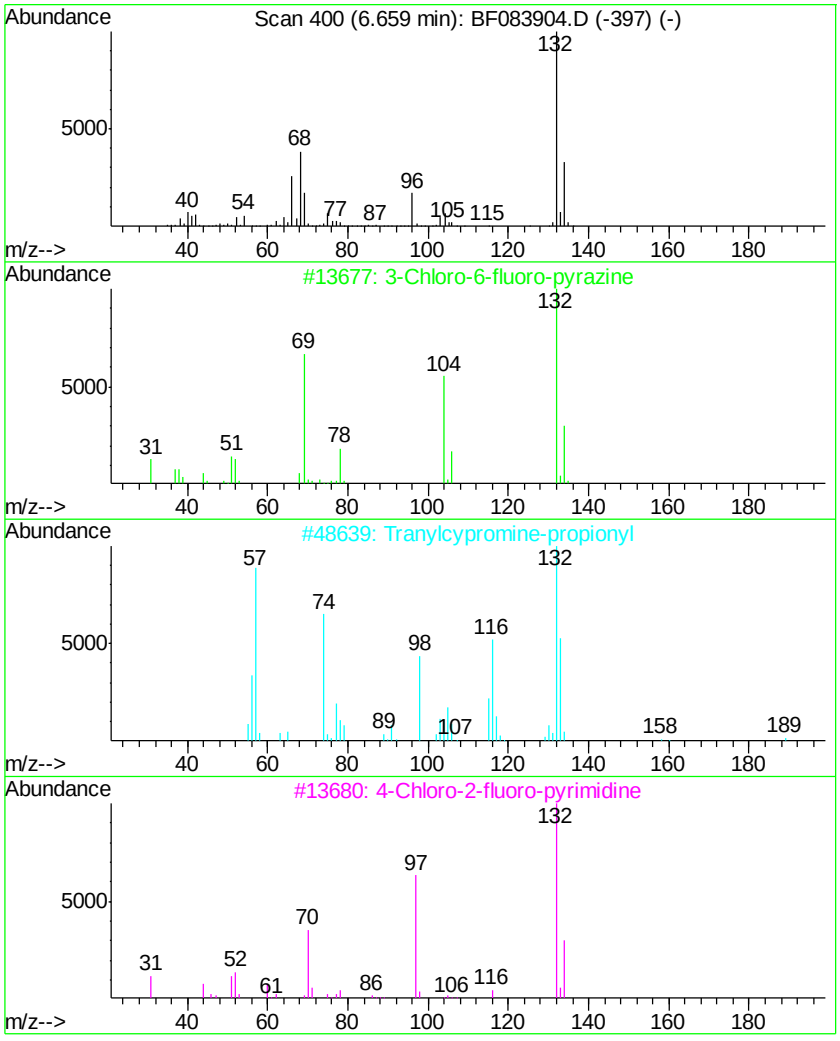
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

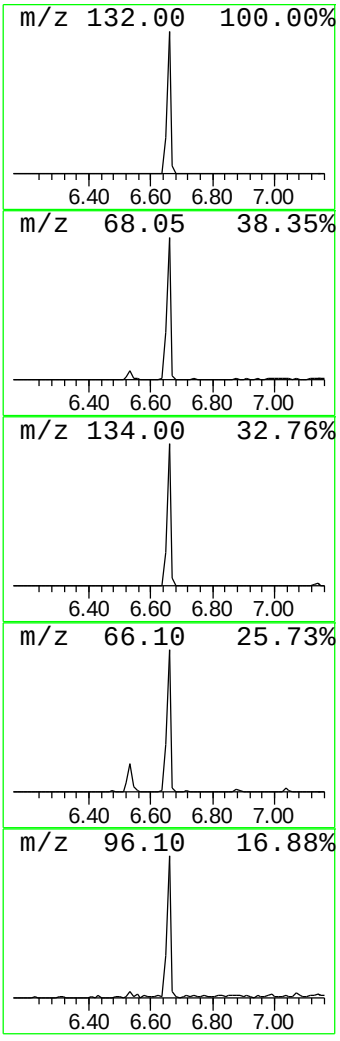
****

Peak Number 1 unknown6.66 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	33.97 ng	1390650	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083904.D
Acq On : 18 Dec 2015 8:32
Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

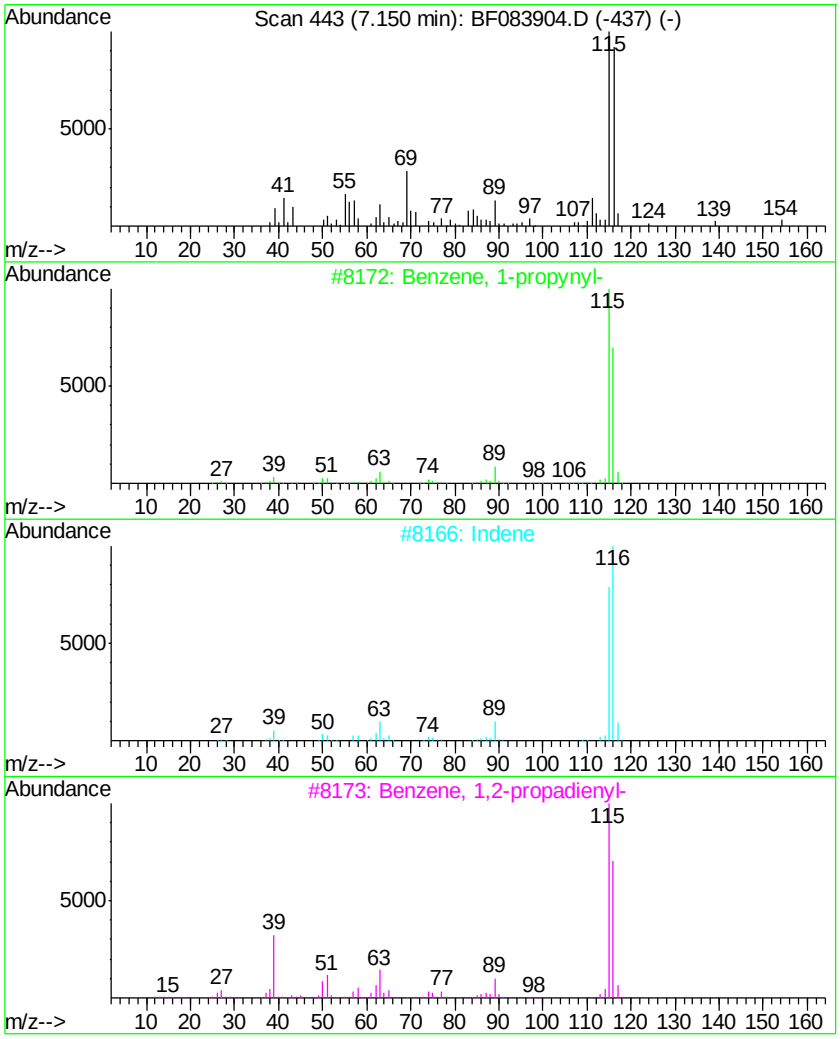
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

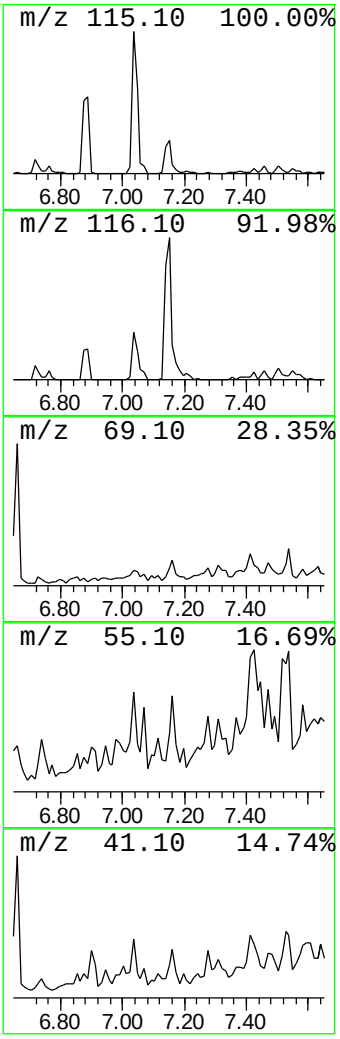
****

Peak Number 3 Benzene, 1-propynyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	7.31 ng	299430	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Indene	116	C9H8	000095-13-6	91
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	83
4	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	83
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	74





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Sample : G4759-05
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Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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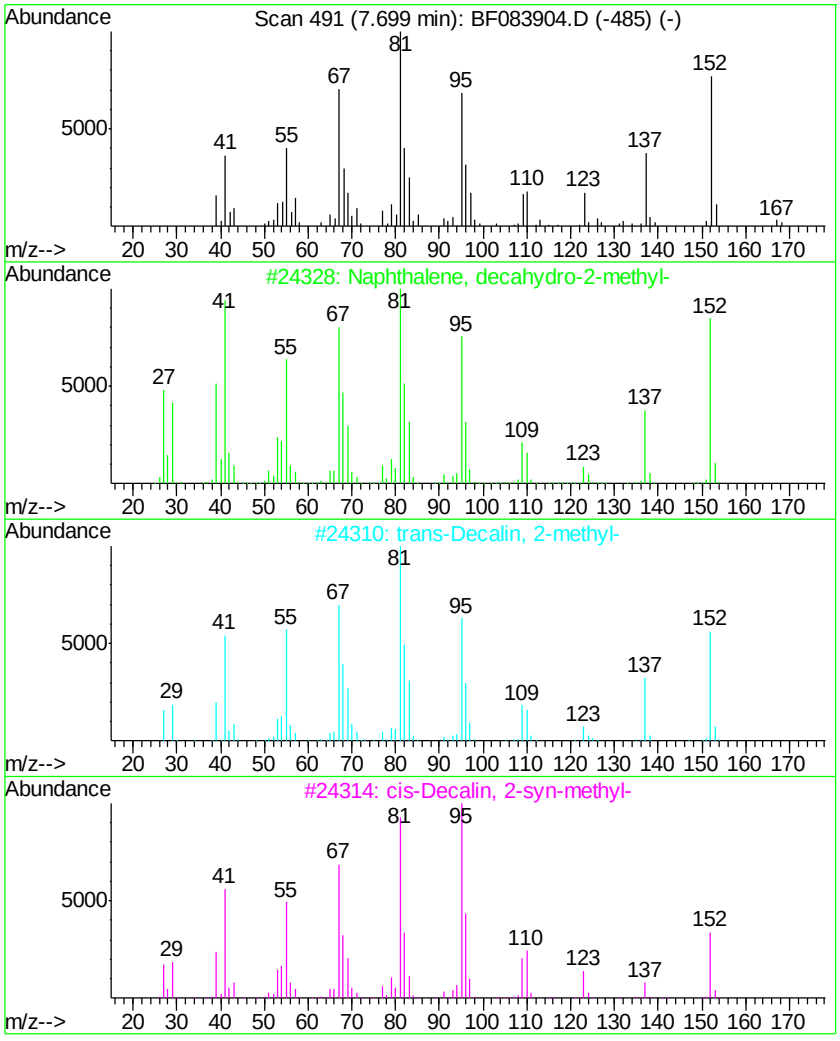
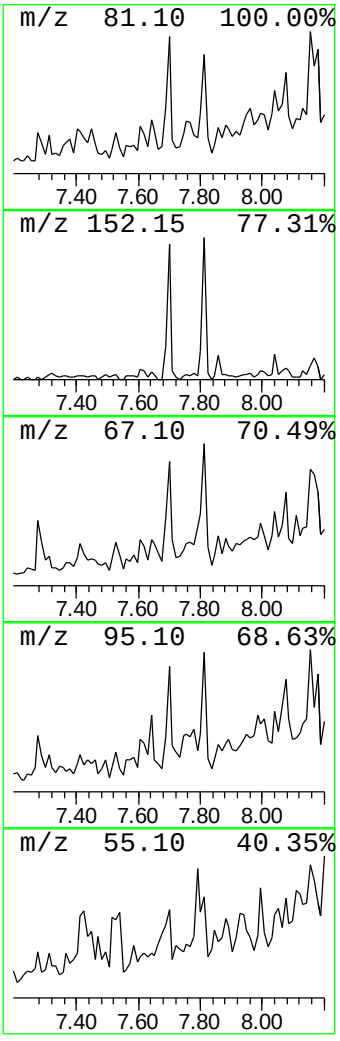
Peak Number 4 Naphthalene, decahydro-2-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	6.19 ng	438162	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	96
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	94
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	83
5	Pulegone	152	C10H16O	000089-82-7	83





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

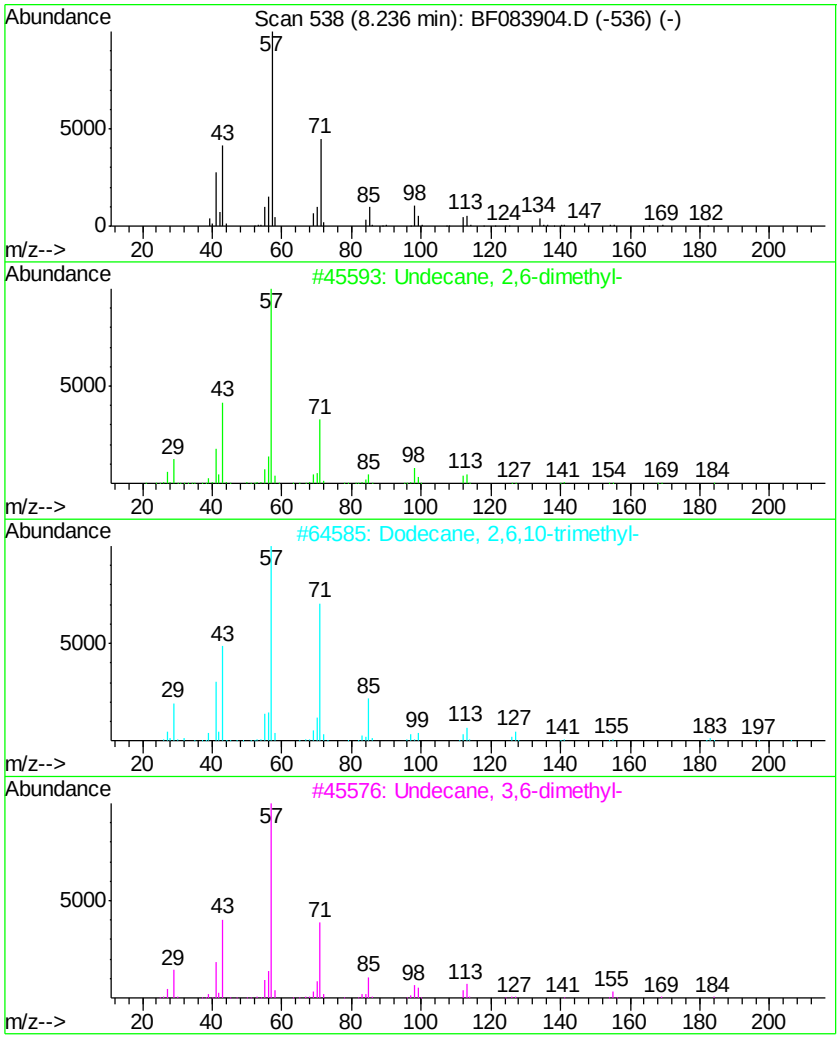
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

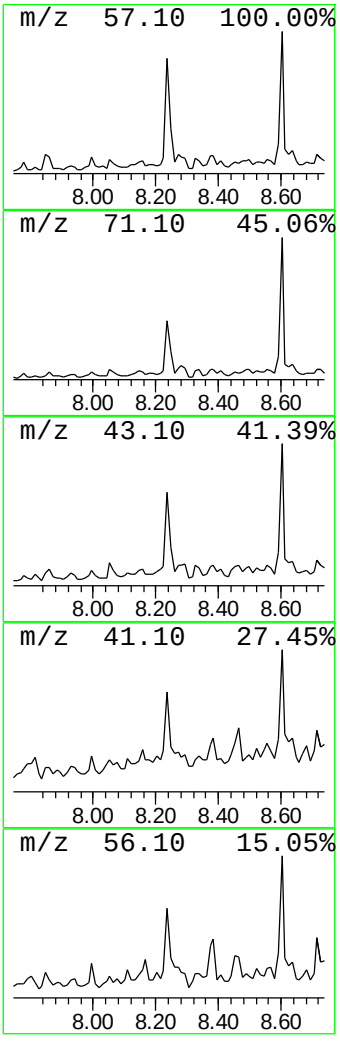
****

Peak Number 5 Undecane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	6.58 ng	465337	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	59
5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083904.D
Acq On : 18 Dec 2015 8:32
Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

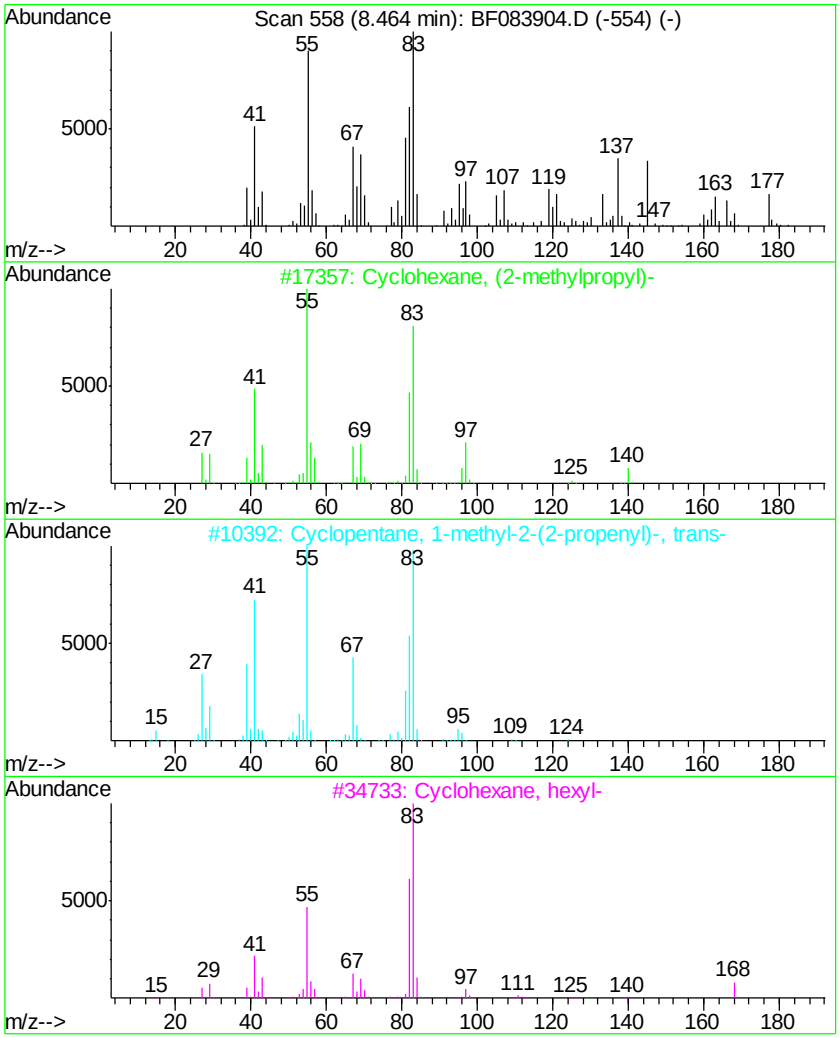
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

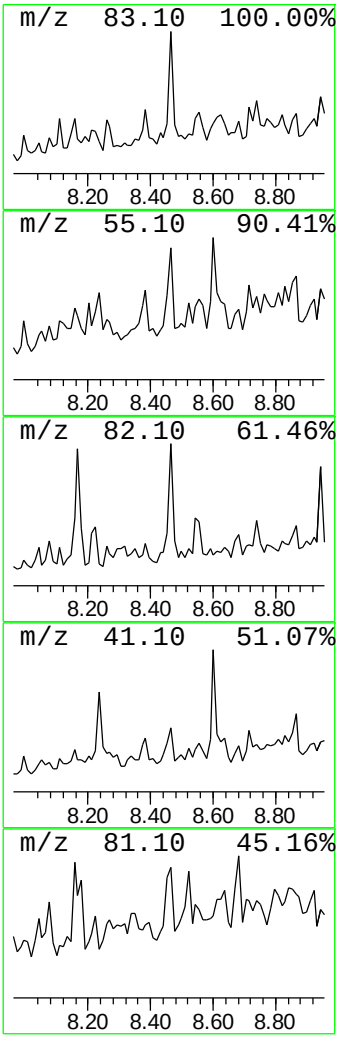
****

Peak Number 6 unknown8.46 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	8.67 ng	613478	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	47
2	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	47
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	43
4	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	43
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083904.D
Acq On : 18 Dec 2015 8:32
Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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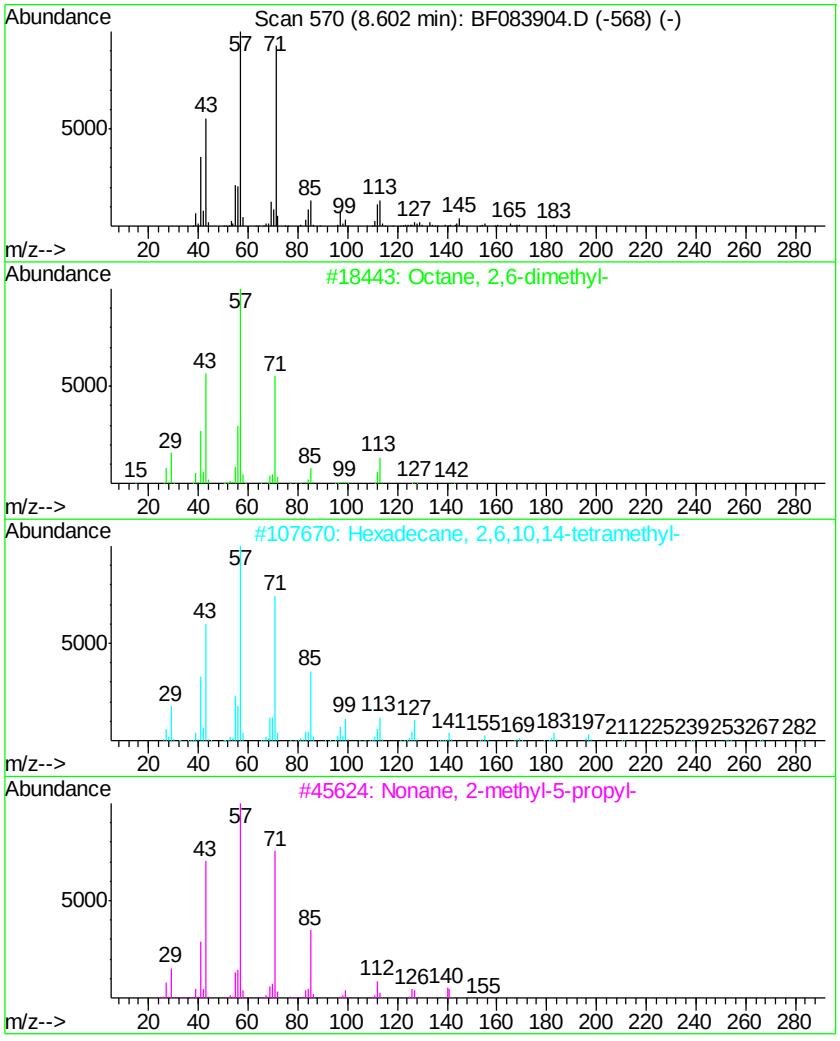
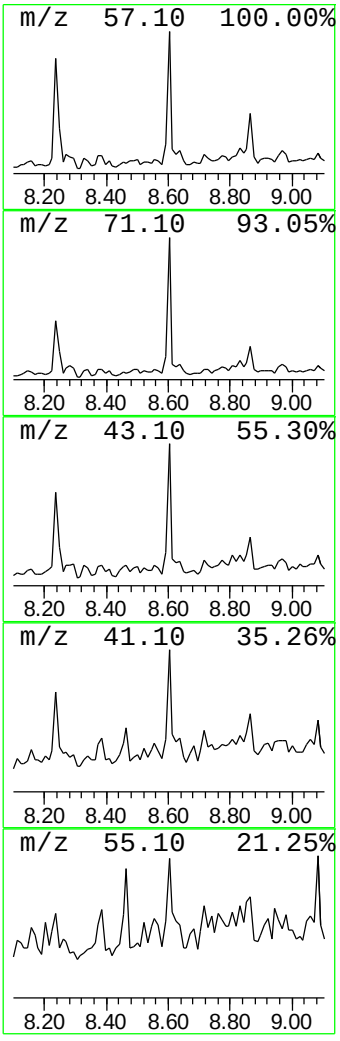
Peak Number 7 Octane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	11.13 ng	787825	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
3	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
4	Decane, 5-propyl-	184	C13H28	017312-62-8	59
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	59





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Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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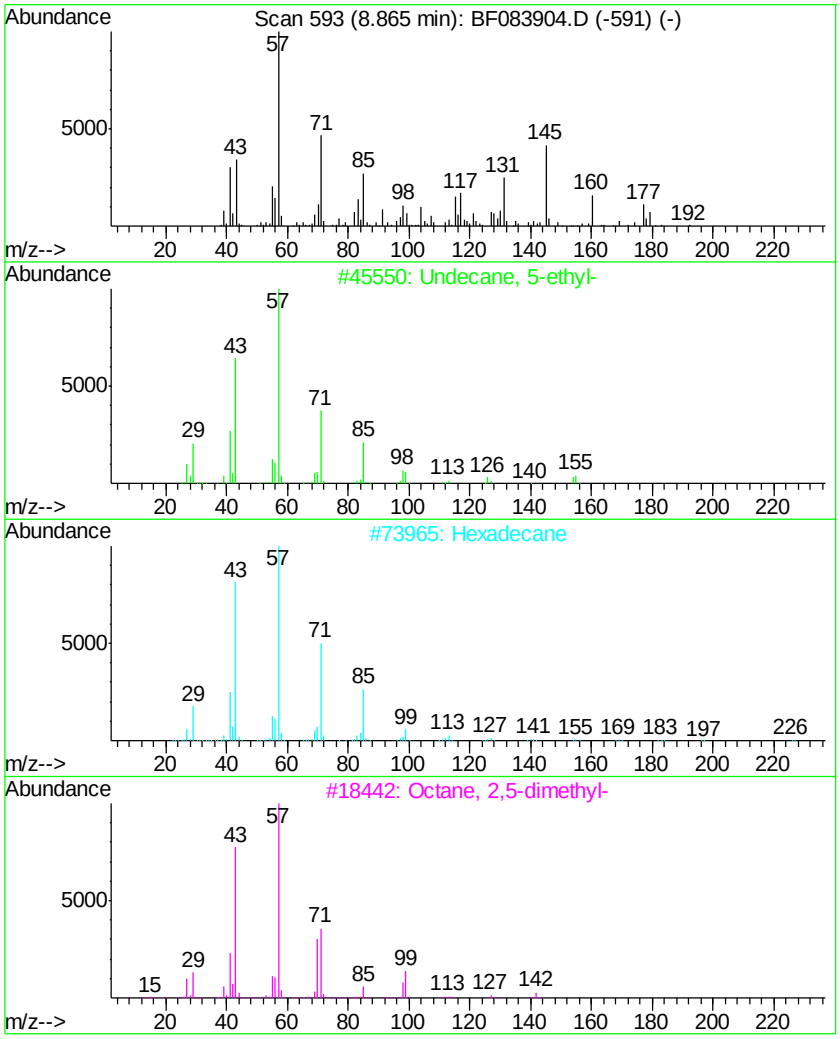
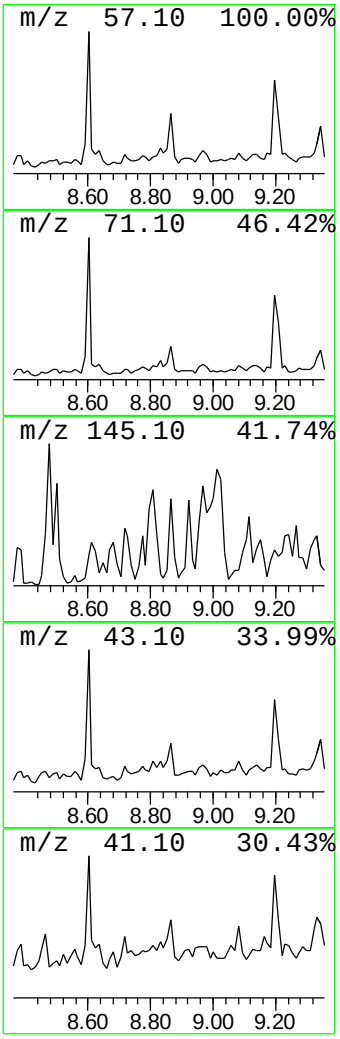
Peak Number 8 unknown8.86 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	7.09 ng	501795	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-ethyl-	184	C13H28	017453-94-0	35
2	Hexadecane	226	C16H34	000544-76-3	30
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	27
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	27
5	Heptadecane	240	C17H36	000629-78-7	27





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Sample : G4759-05
Misc :
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Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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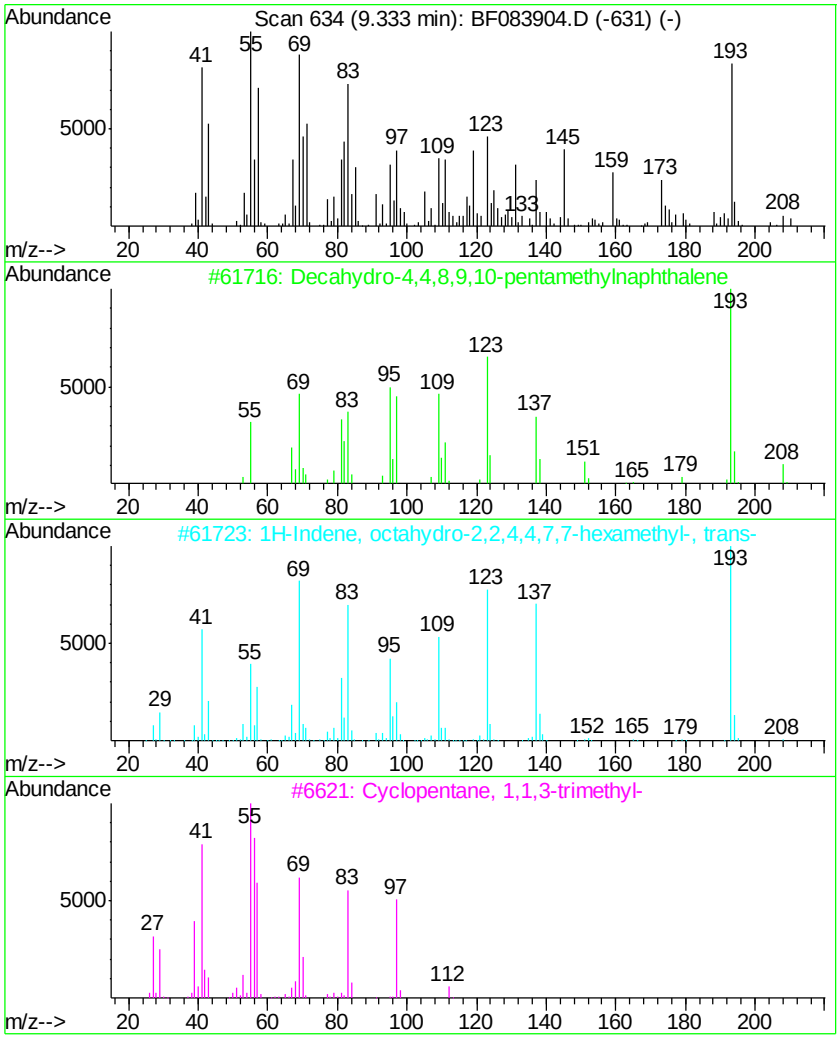
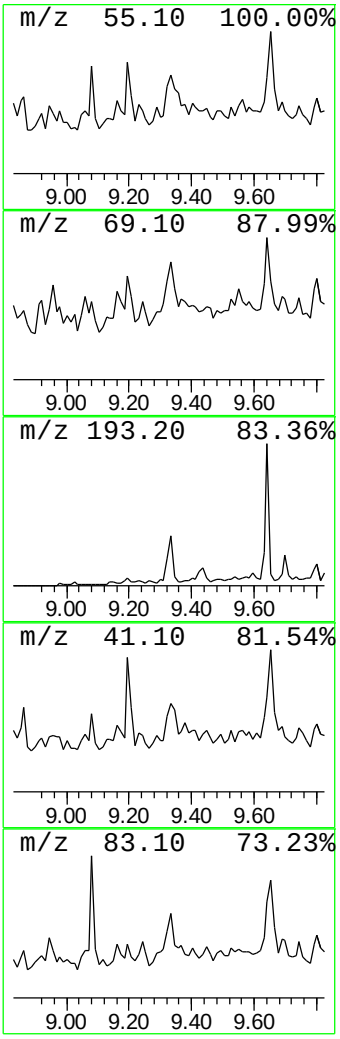
Peak Number 9 Decahydro-4,4,8,9,10-pentam... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	9.04 ng	582159	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	56
2	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	35
3	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	30
4	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	25
5	3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	22





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Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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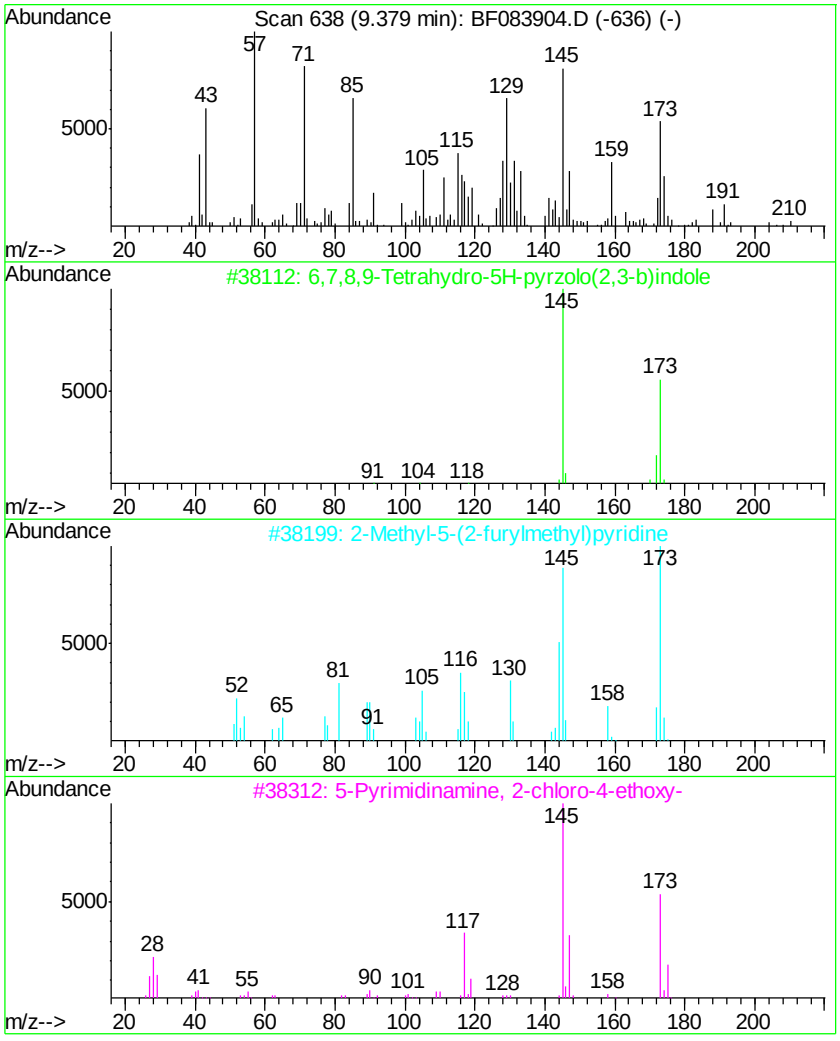
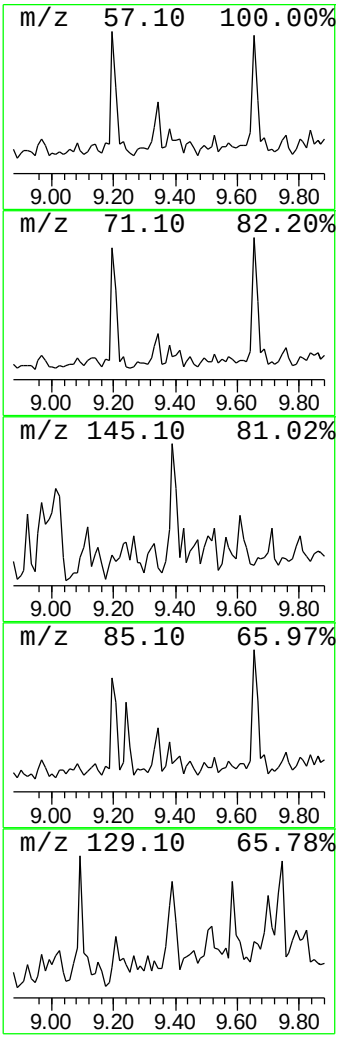
Peak Number 10 unknown9.38 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	7.56 ng	486743	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,7,8,9-Tetrahydro-5H-pyrzolo(2,...	173	C10H11N3	056015-29-3	43
2	2-Methyl-5-(2-furylmethyl)pyridine	173	C11H11NO	078563-76-5	30
3	5-Pyrimidinamine, 2-chloro-4-eth...	173	C6H8ClN3O	054484-70-7	25
4	4-Heptanone, 2-methyl-	128	C8H16O	000626-33-5	18
5	Hexadecane	226	C16H34	000544-76-3	14





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Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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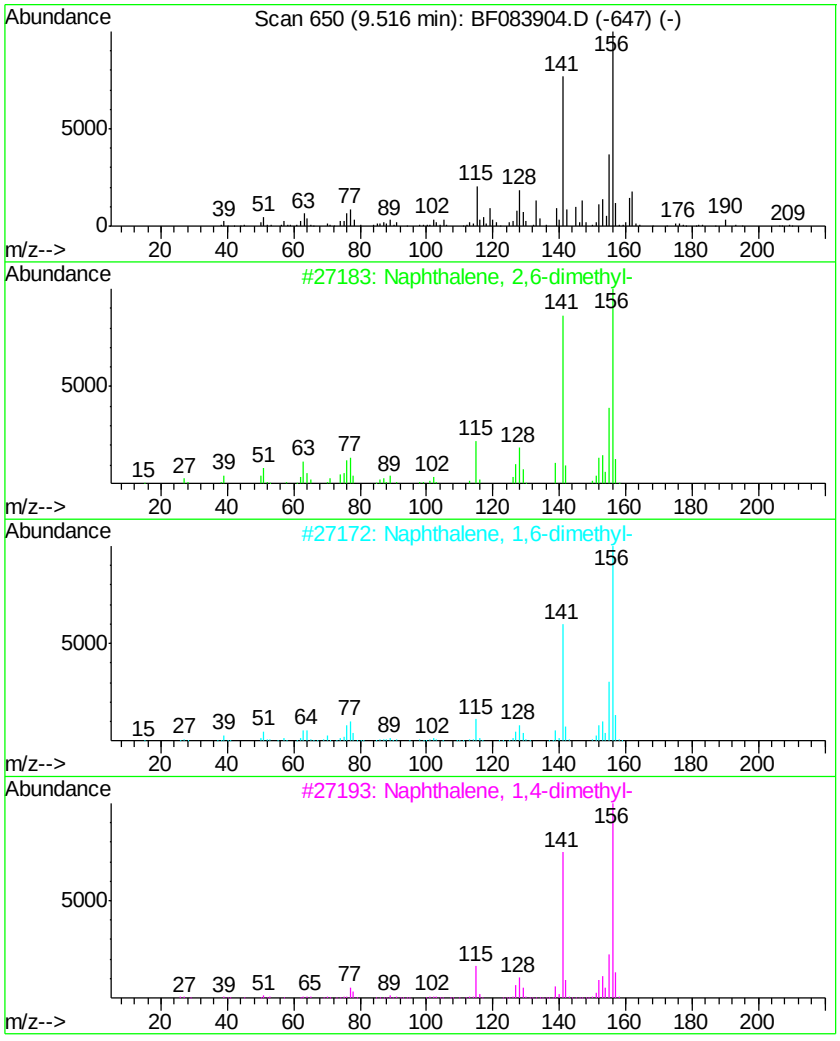
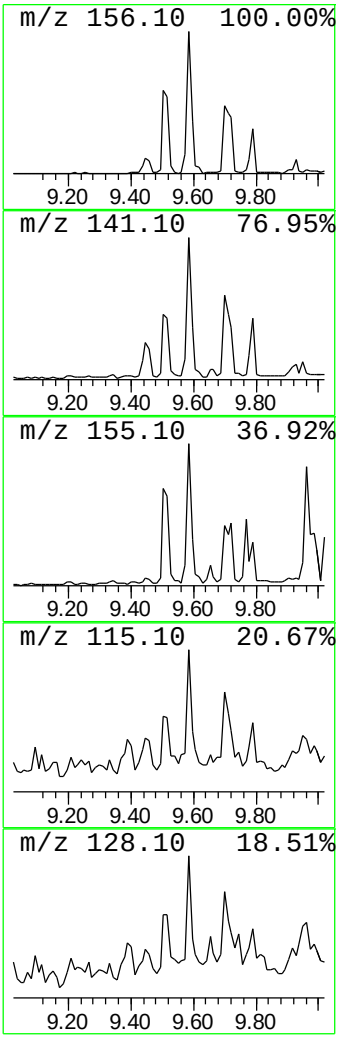
Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	10.07 ng	648400	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94





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Acq On : 18 Dec 2015 8:32
Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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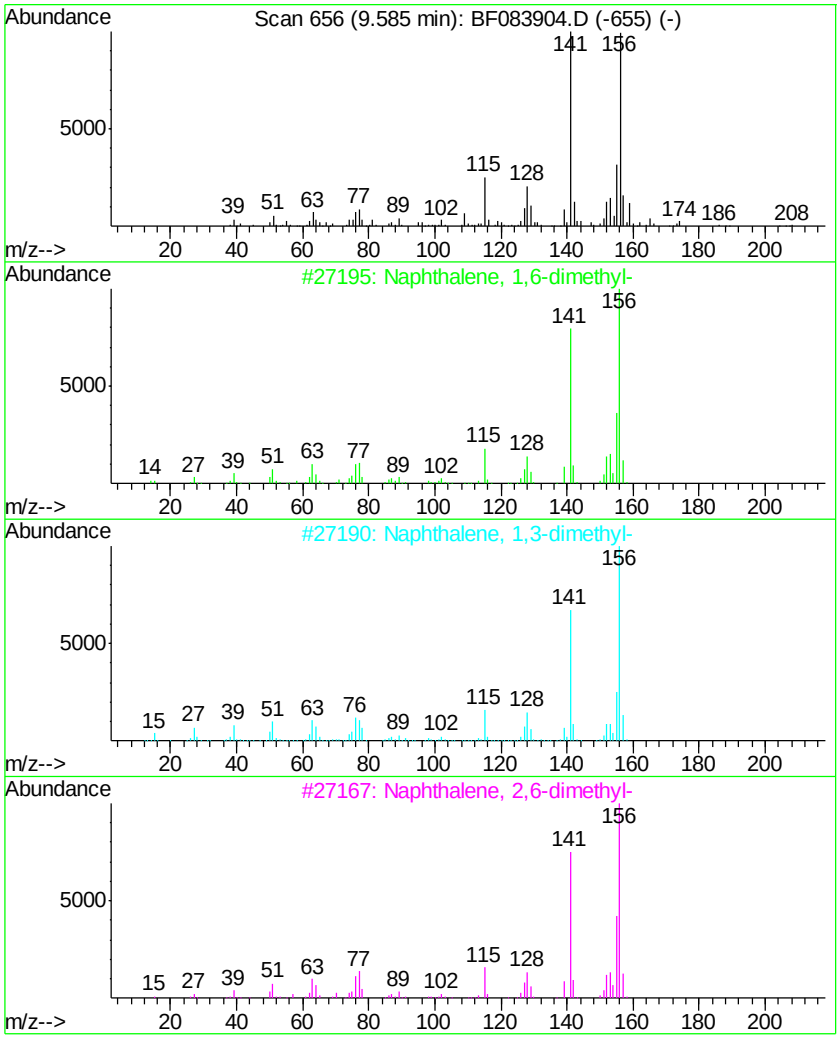
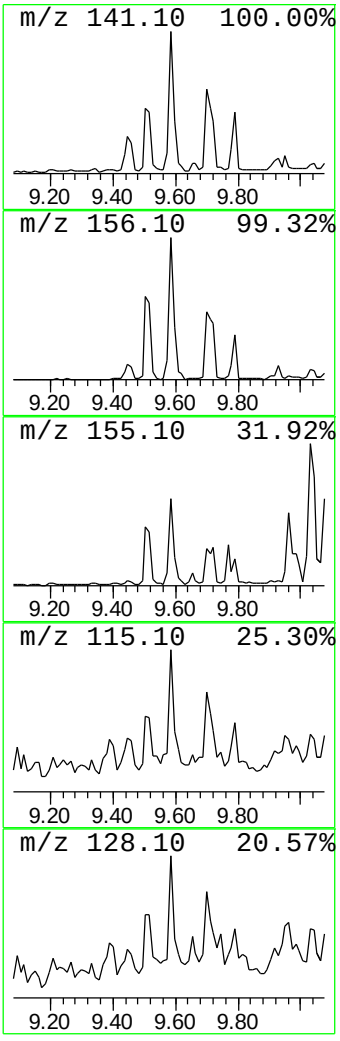
Peak Number 12 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	10.92 ng	703302	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





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Acq On : 18 Dec 2015 8:32
Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

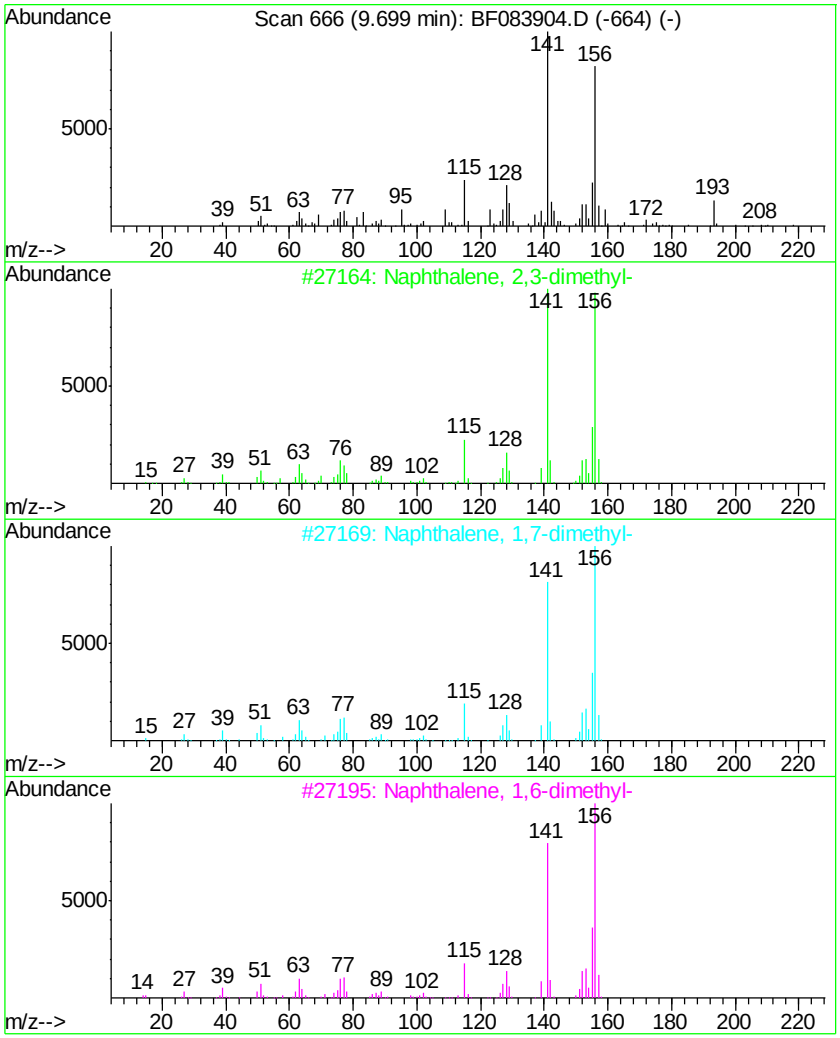
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

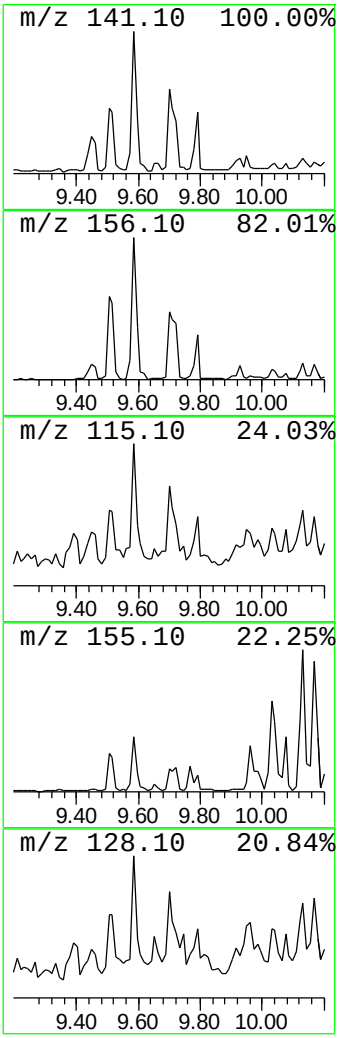
****

Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	9.61 ng	618585	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95





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Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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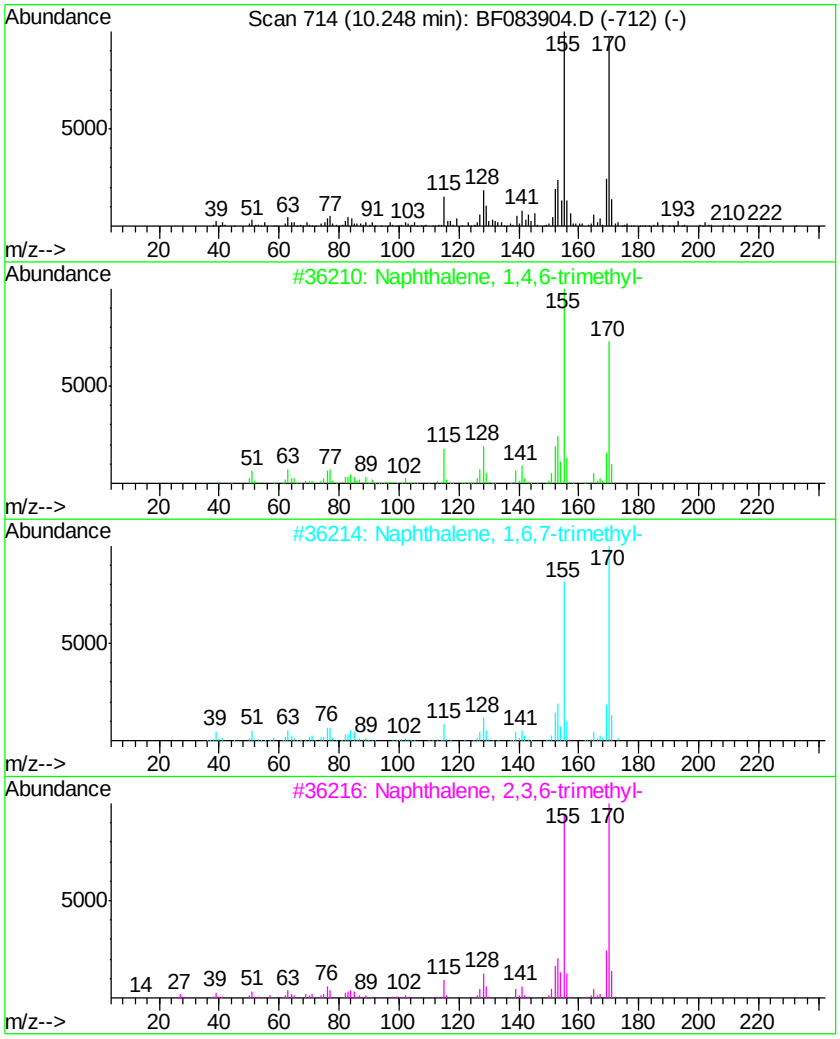
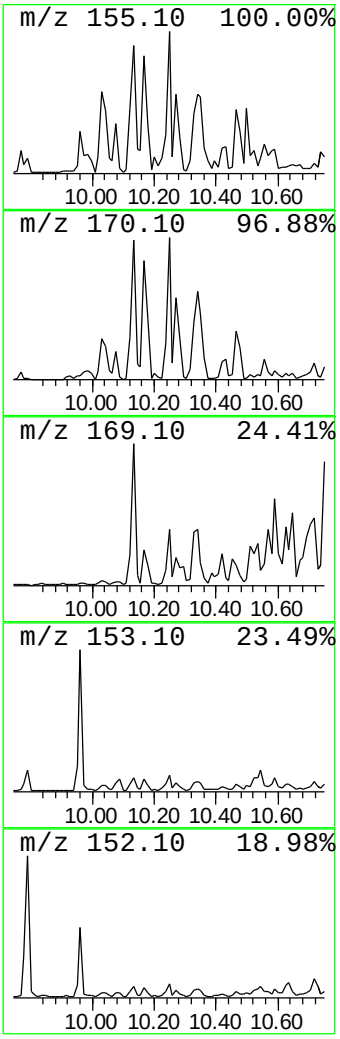
Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	9.52 ng	612925	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	94
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	93





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Acq On : 18 Dec 2015 8:32
Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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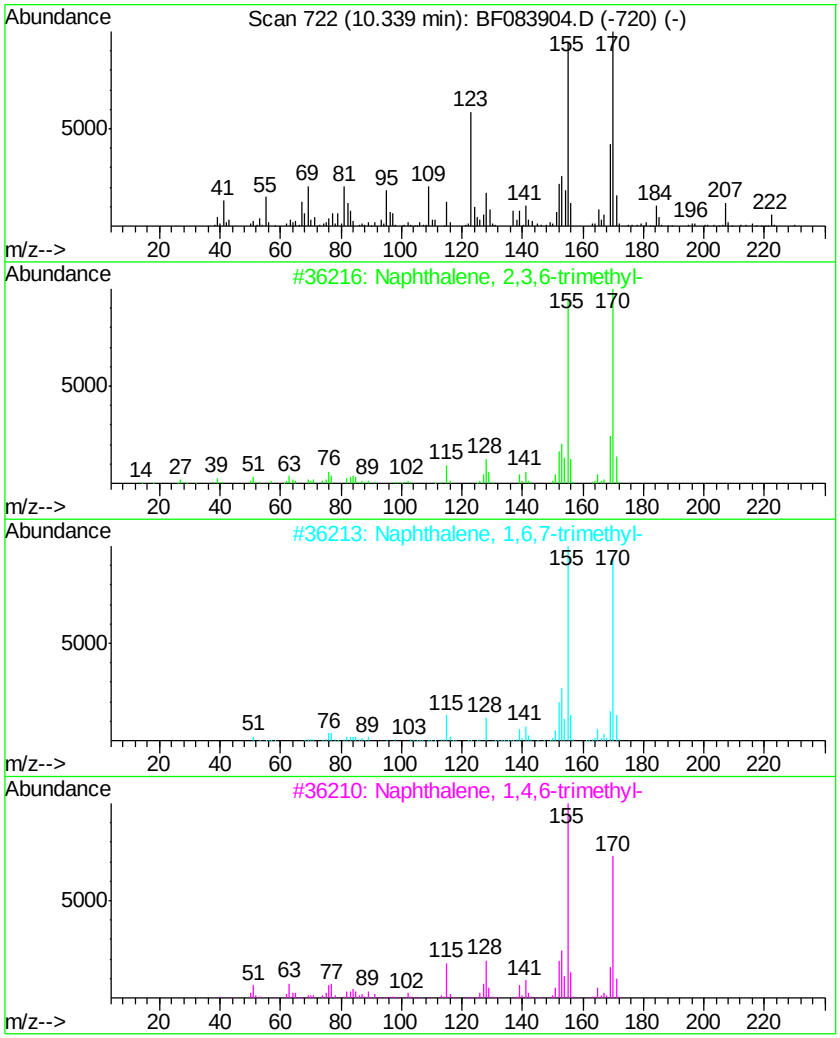
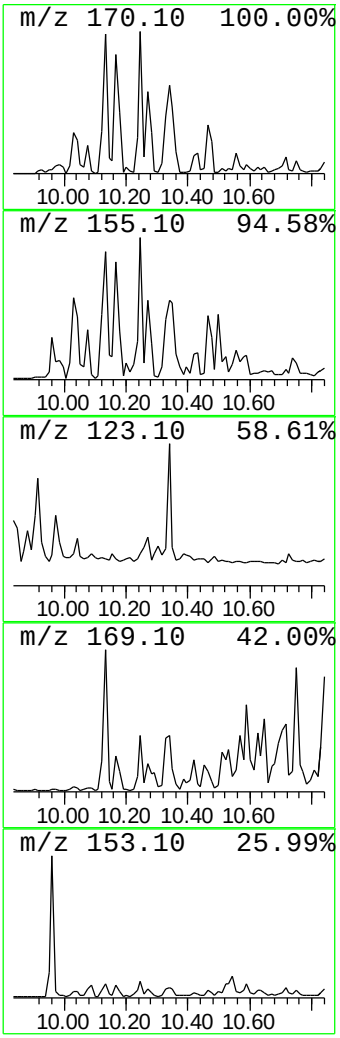
Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	10.16 ng	654073	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	83





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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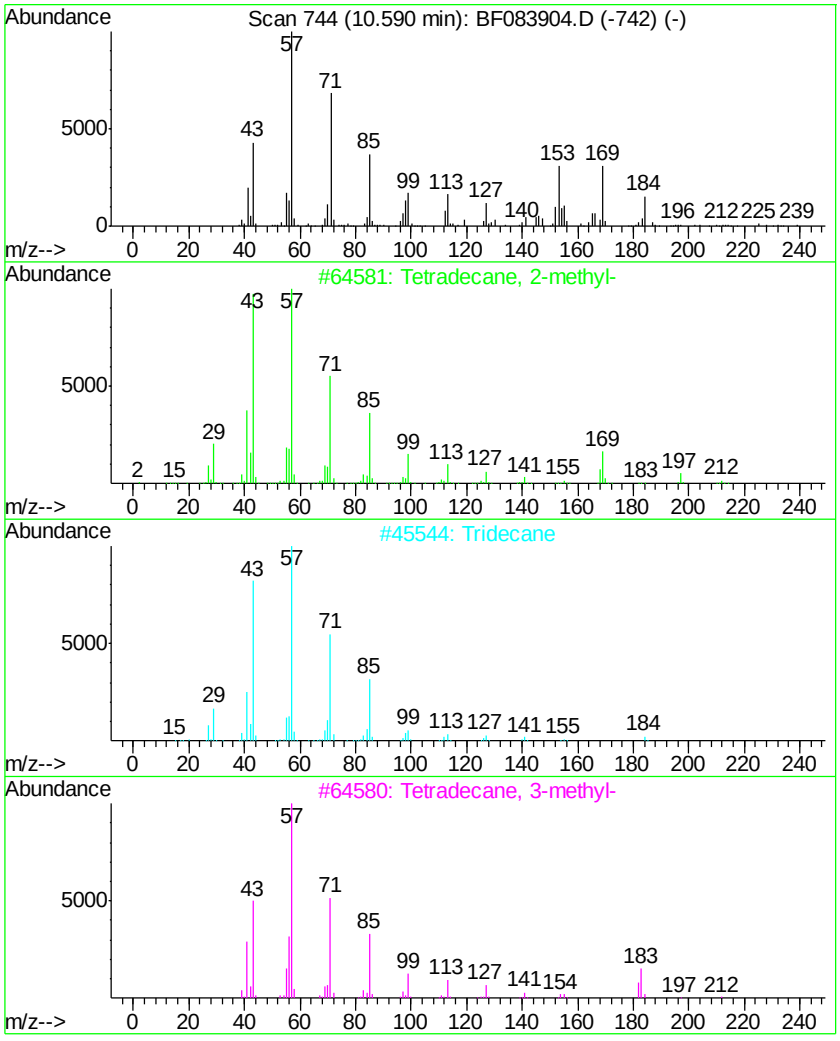
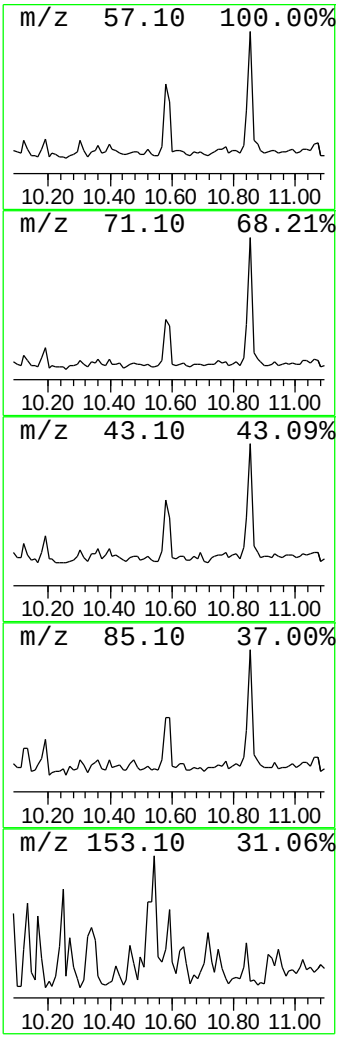
Peak Number 16 unknown10.59 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	8.13 ng	523639	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	49
2	Tridecane	184	C13H28	000629-50-5	46
3	Tetradecane, 3-methyl-	212	C15H32	018435-22-8	46
4	Decane, 5-ethyl-5-methyl-	184	C13H28	017312-74-2	46
5	Hexacosane	366	C26H54	000630-01-3	43





Library Search Compound Report

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Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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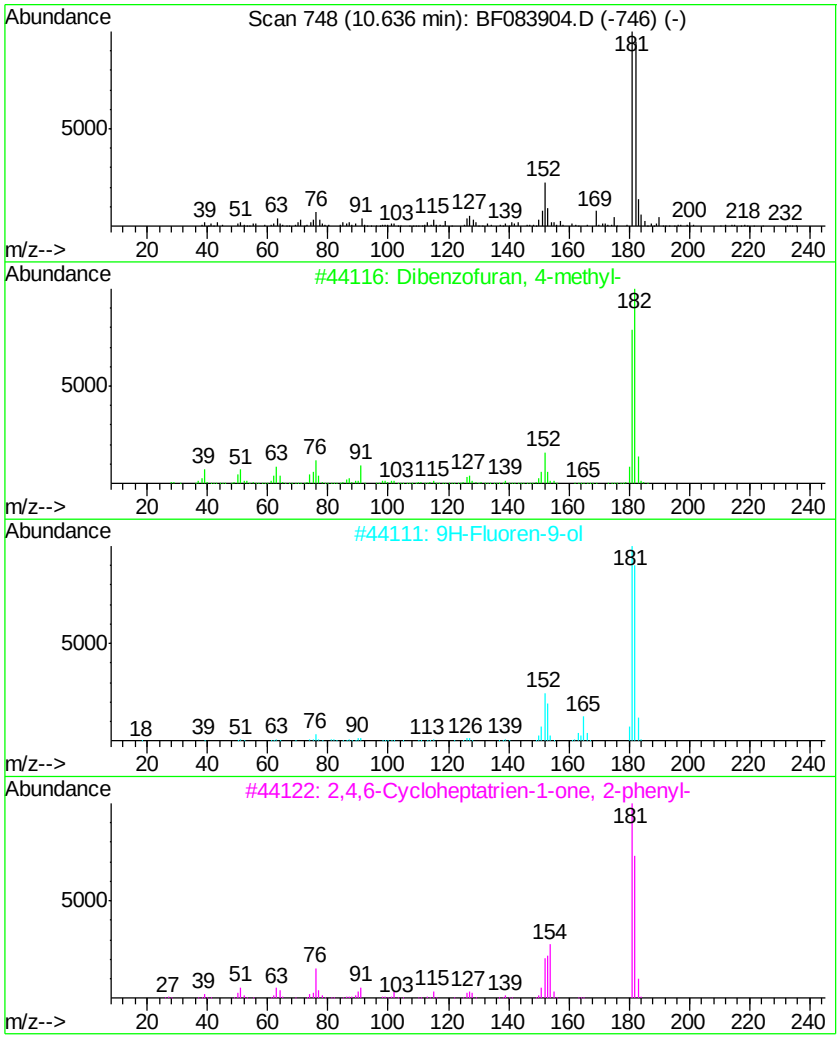
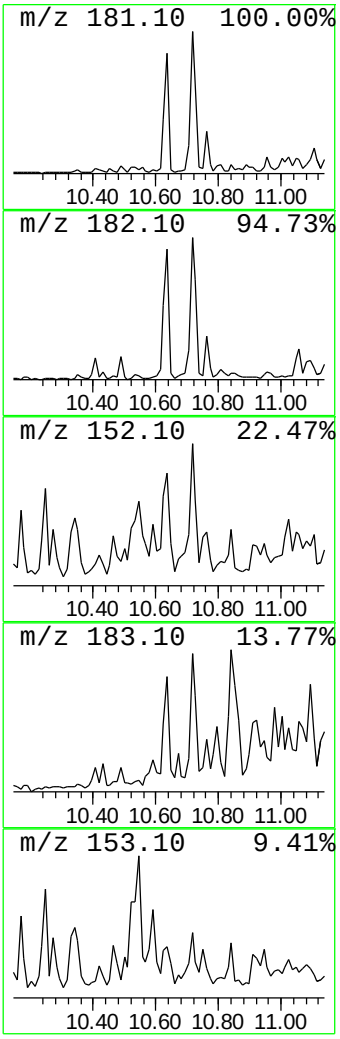
Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	8.41 ng	541418	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	58





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Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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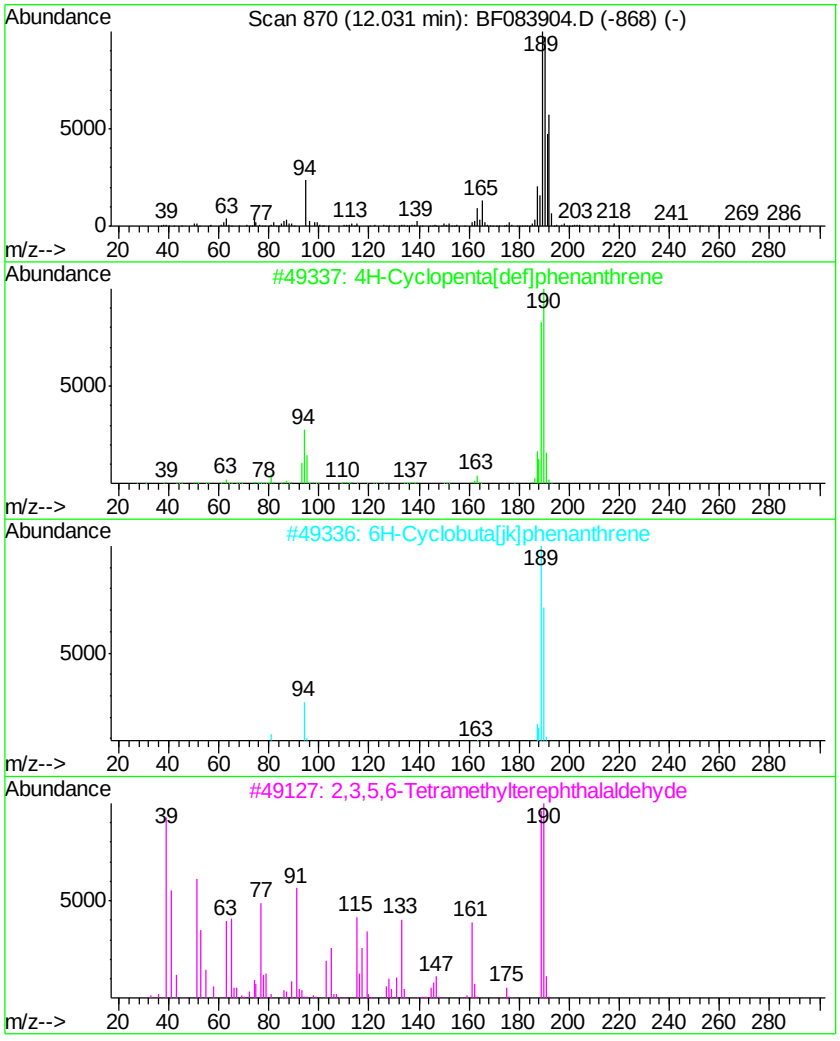
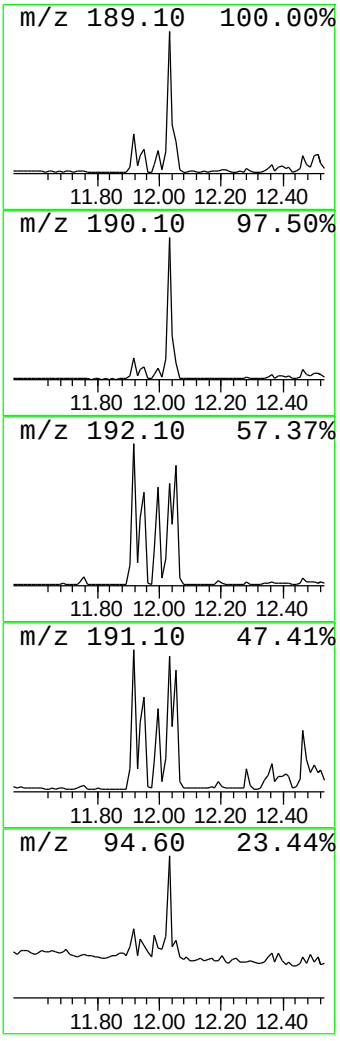
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	9.28 ng	1739530	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083904.D
Acq On : 18 Dec 2015 8:32
Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

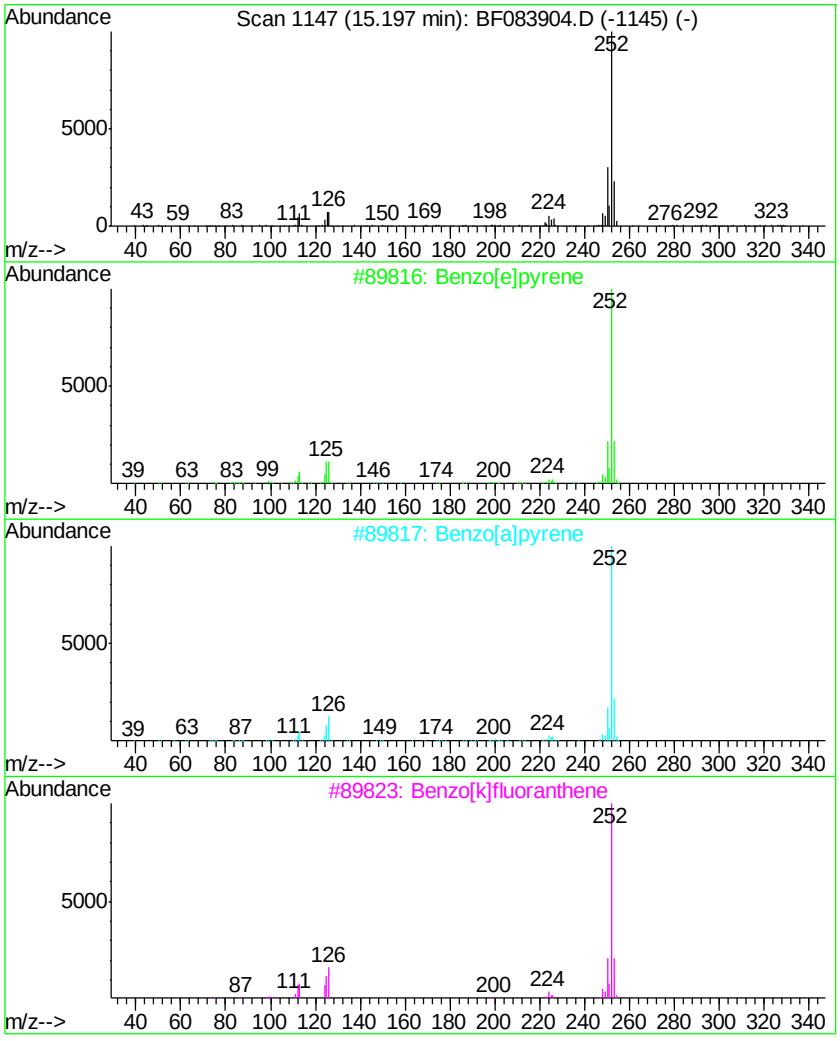
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

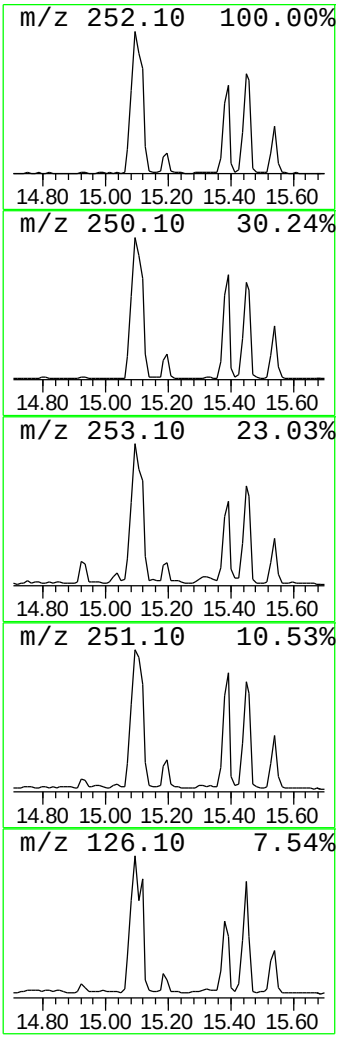
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	7.69 ng	162044	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083904.D
Acq On : 18 Dec 2015 8:32
Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.66	6.66	34.0	ng	1390650	1	6.89	818781	20.0
Benzene, 1-propynyl-	7.15	7.3	ng	299430	1	6.89	818781	20.0
Naphthalene, deca...	7.70	6.2	ng	438162	2	8.17	1415260	20.0
Undecane, 2,6-dim...	8.24	6.6	ng	465337	2	8.17	1415260	20.0
unknown8.46	8.46	8.7	ng	613478	2	8.17	1415260	20.0
Octane, 2,6-dimet...	8.60	11.1	ng	787825	2	8.17	1415260	20.0
unknown8.86	8.86	7.1	ng	501795	2	8.17	1415260	20.0
Decahydro-4,4,8,9...	9.33	9.0	ng	582159	3	9.93	1287650	20.0
unknown9.38	9.38	7.6	ng	486743	3	9.93	1287650	20.0
Naphthalene, 2,6-...	9.52	10.1	ng	648400	3	9.93	1287650	20.0
Naphthalene, 1,6-...	9.58	10.9	ng	703302	3	9.93	1287650	20.0
Naphthalene, 2,3-...	9.70	9.6	ng	618585	3	9.93	1287650	20.0
Naphthalene, 1,4,...	10.25	9.5	ng	612925	3	9.93	1287650	20.0
Naphthalene, 2,3,...	10.34	10.2	ng	654073	3	9.93	1287650	20.0
unknown10.59	10.59	8.1	ng	523639	3	9.93	1287650	20.0
Dibenzofuran, 4-m...	10.64	8.4	ng	541418	3	9.93	1287650	20.0
4H-Cyclopenta[def...	12.03	9.3	ng	1739530	4	11.41	3747130	20.0
Benzo[e]pyrene	15.20	7.7	ng	162044	6	15.51	421240	20.0